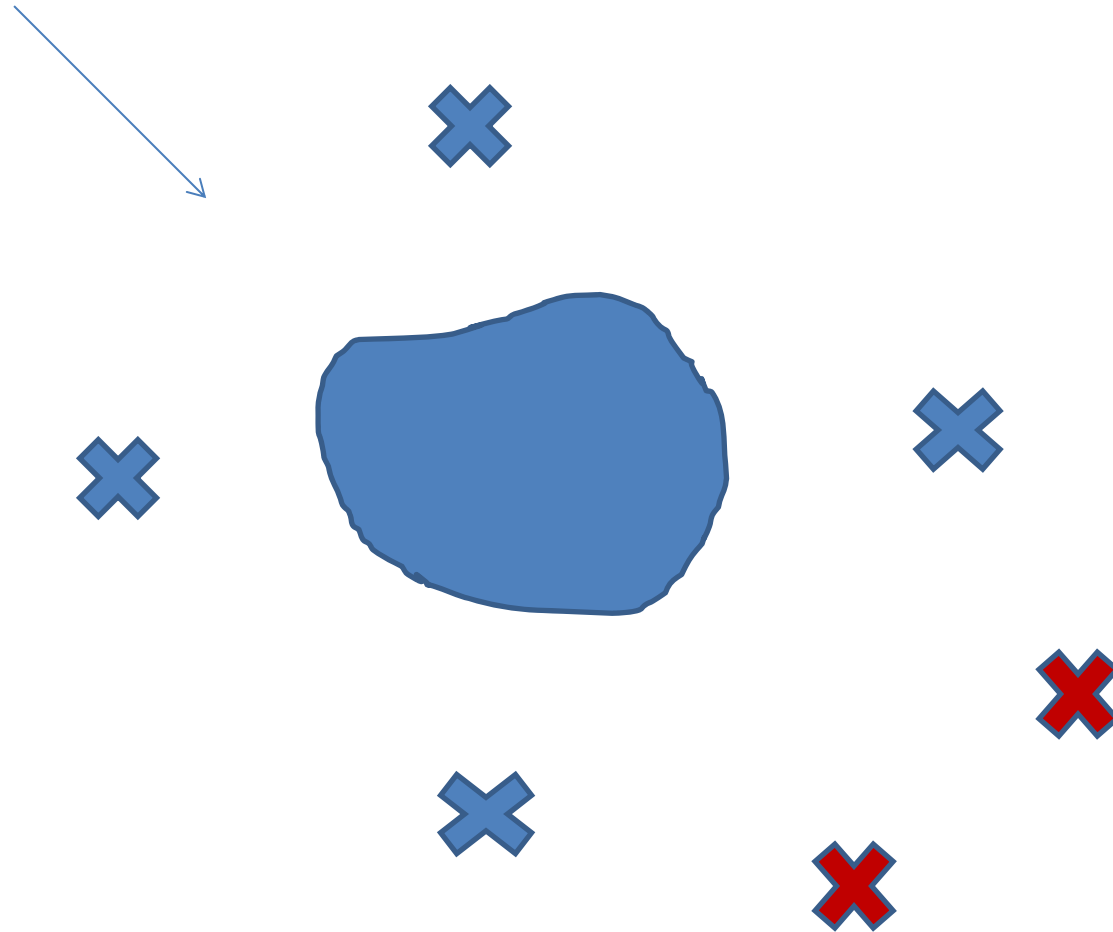


# Air Monitoring Field Diagram



# Lakewood Gulch Excavation

- Located in Denver County
- Tennyson St. to Wolff St between 7<sup>th</sup> and 8<sup>th</sup> Aves (surrounded by residential area)
- Channel improvements
  - Widening for flood control
  - New bridge
  - Trail and landscape
- Gulch with decades of fill material

# Lakewood Gulch Air Monitoring Data

1. 776 total PCM & 292 total TEM over X days
2. 491 PCM sampled at perimeters
  - 95% were below detection
3. 31 TEM sampled at perimeters
  - 100% were below detection
4. 285 PCM sampled at personal
  - 78% were  $> 0.01$  f/cc
5. 260 TEM sampled on personal
  - 96% were non-detect

# Ruby Hill Park Excavation

- Located in Denver County
- Florida and Platte River (large park surrounded by residential, river, & light industrial)
- Scope
  - Renovate 20 miles of main & secondary irrigation
  - Improve roads
  - Improve landscape
- Decades of fill material found throughout park area

# Ruby Hill Air Monitoring Data

1. 1317 total PCM samples & 326 total TEM samples over 250 working days
2. 846 PCM perimeter samples
  - 68% were below detection
3. 173 TEM perimeter samples
  - 94% were non-detect
4. 362 PCM personal samples
  - 58% were below detection limits
5. 133 TEM personal samples
  - 89% were non-detect

# Park Hill Phase II Excavation

- Located in Denver County
- 56<sup>th</sup> & York (industrial area)
- Scope
  - Second phase of an 8 acre storm water detention pond construction
- Decades of fill material found throughout unimproved land

# Park Hill Phase II Air Monitoring Data

1. 235 total PCM samples & 32 total TEM samples over 150 working days
2. 205 PCM perimeter samples
  - 99% had a fiber count between 0.001 & 0.01 f/cc
3. 21 TEM perimeter samples
  - 90% were non-detect
4. 22 PCM personal samples
  - 100% had a fiber count between 0.001 & 0.01 f/cc
5. 11 TEM personal samples
  - 82% were non-detect

# What Data Shows

- Three projects with excellent oversight and BMP control averaged 10% personal and 5% perimeter for positive TEM analysis.
- BMP are working and its time to reduce the PCM/TEM sampling points on the perimeters